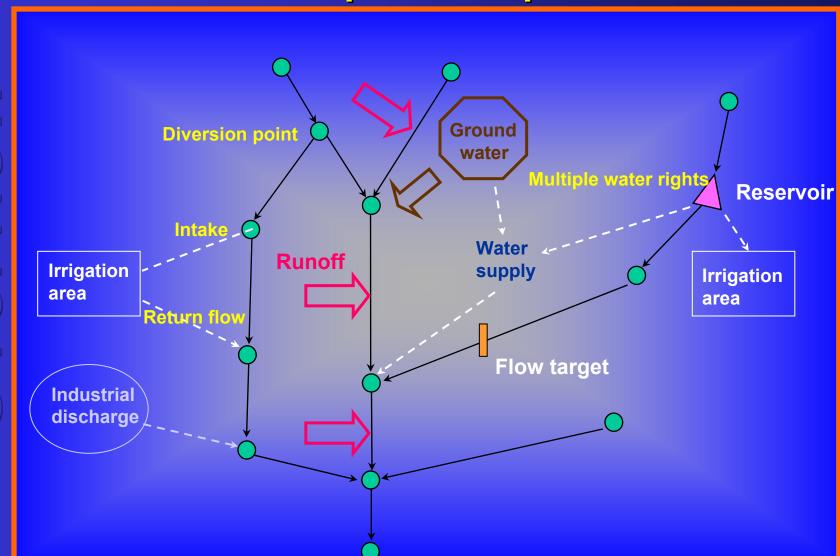


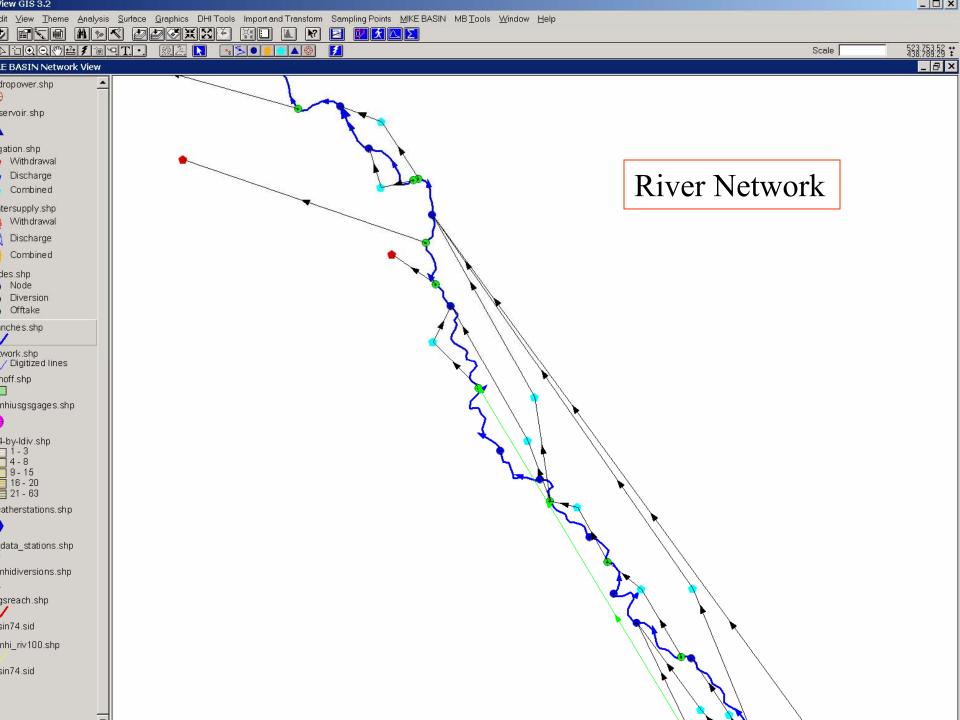


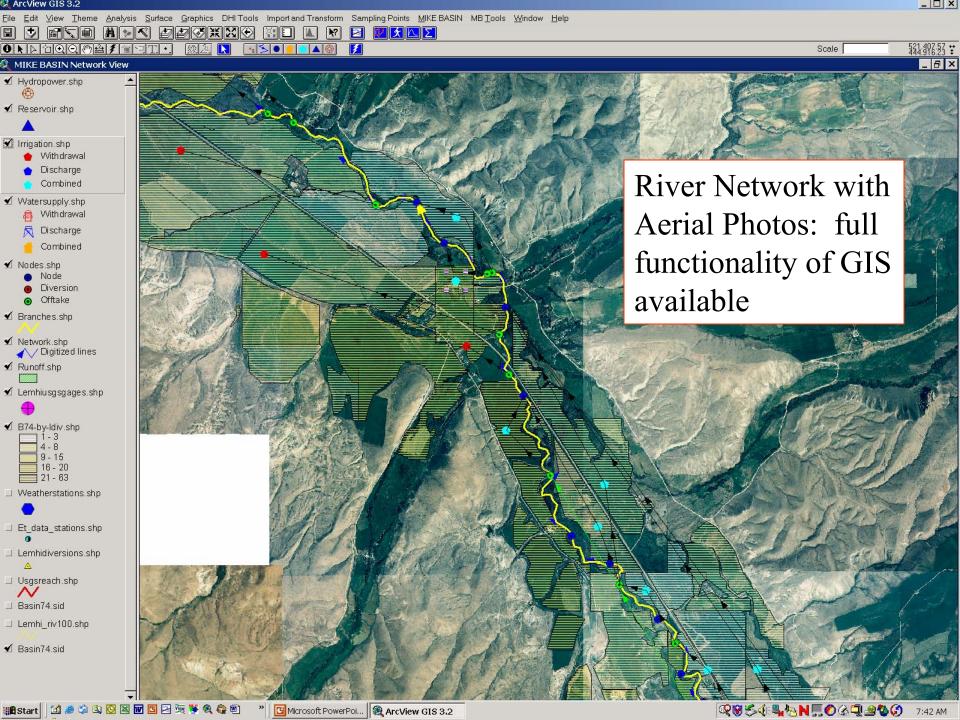


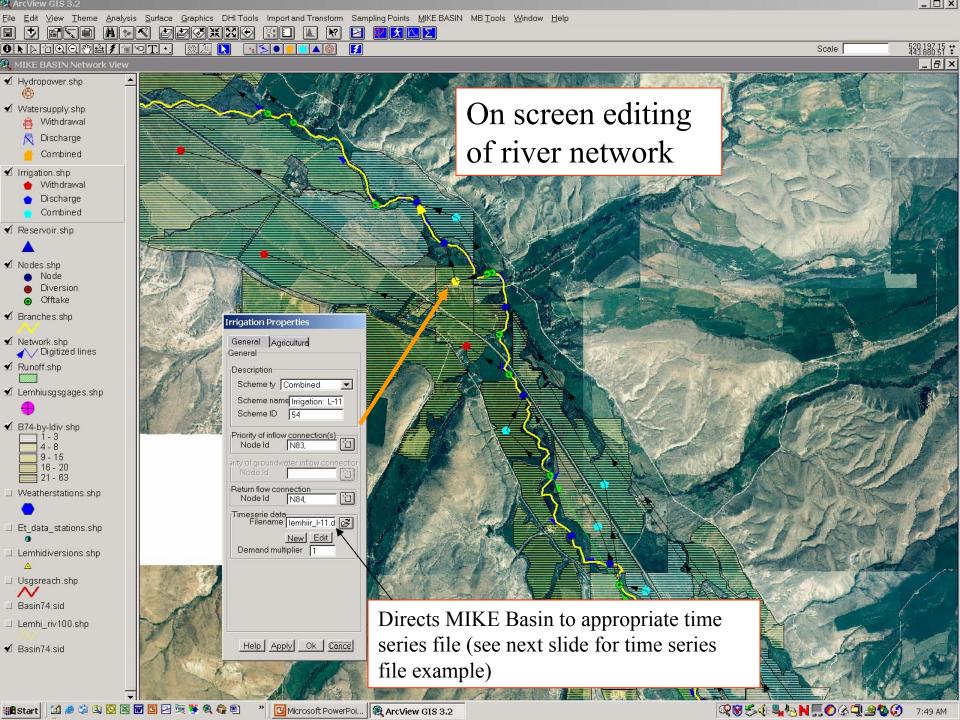


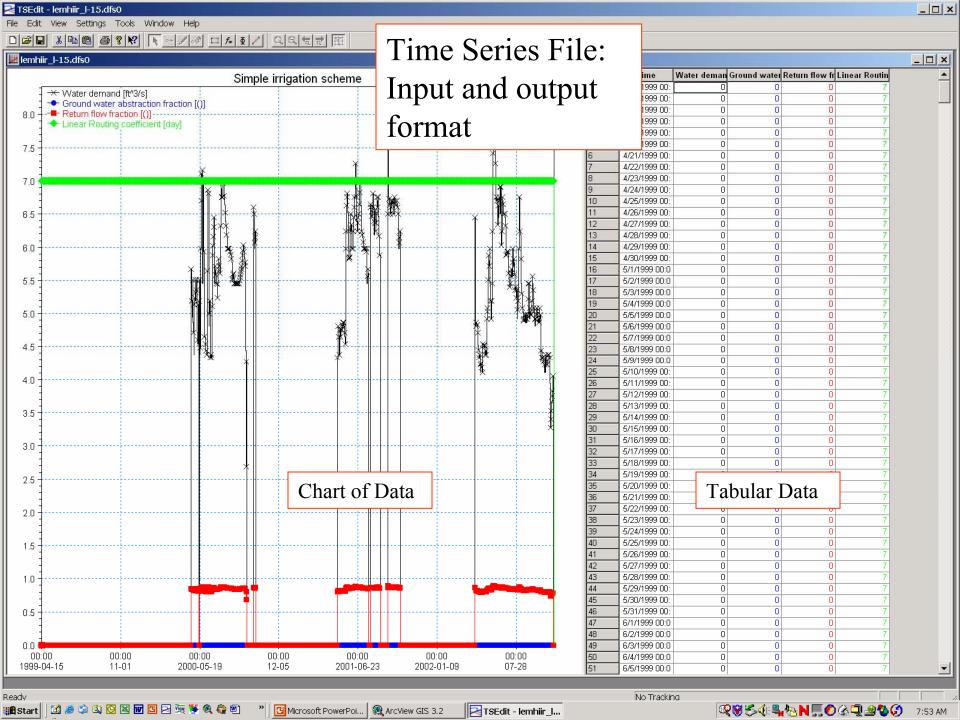
# MIKE Basin: A Simple Concept

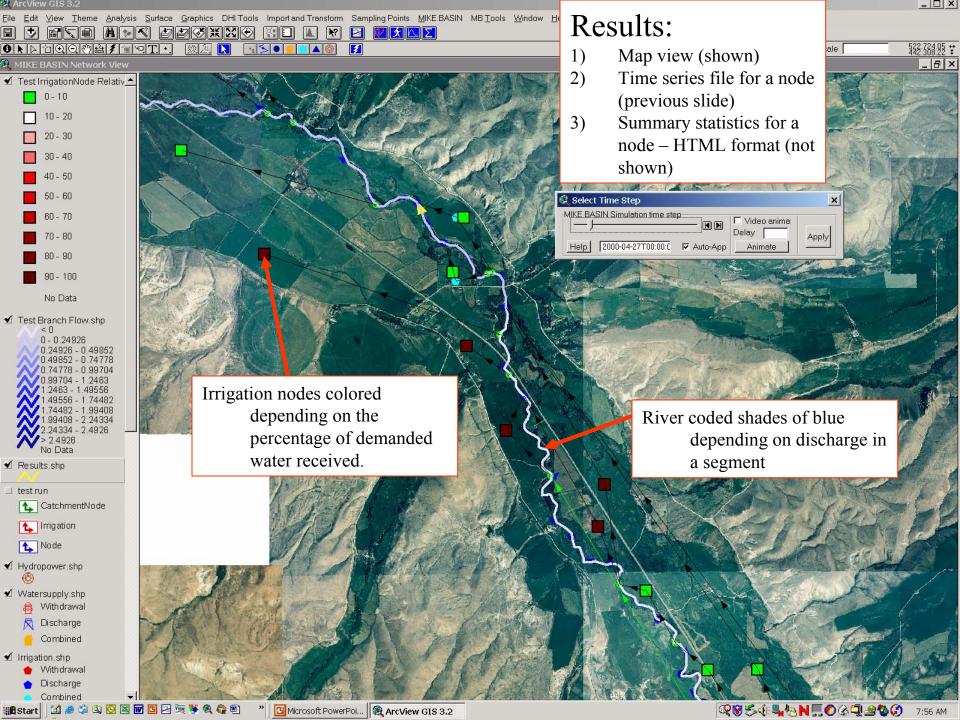


















### **Uses of MIKE Basin Simulations in Idaho?**

- Planning and operation tool for meeting minimum stream flow requirements
- Educational and public awareness tool
- Communication tool to build community consensus
- Provides a first step towards more complex models
- Conjunctive use studies







# Thousand Springs MIKE Basin Model (TSMBM): Objectives

Show water movement around Thousands

**Springs** 

Compilation of data

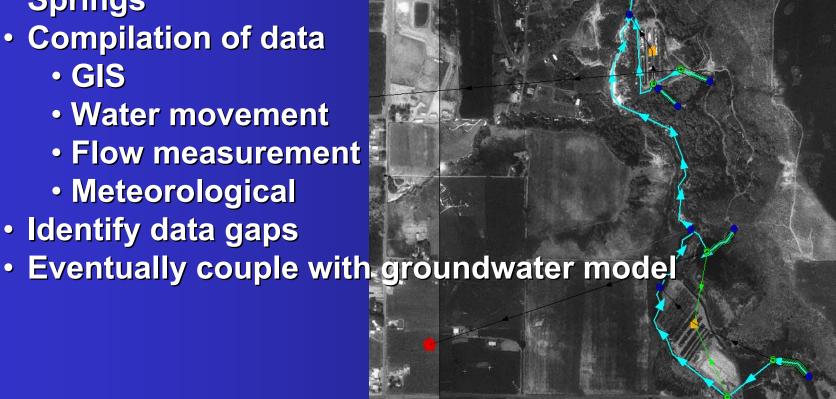
• GIS

Water movement

Flow measurement

Meteorological

Identify data gaps







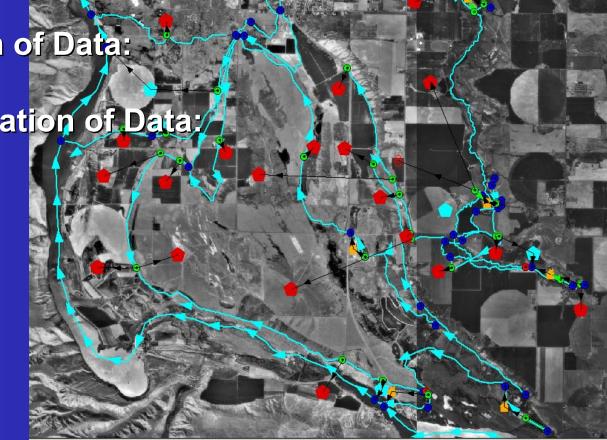
# Thousand Springs-MIKE Basin Model (TSMBM): How to Proceed

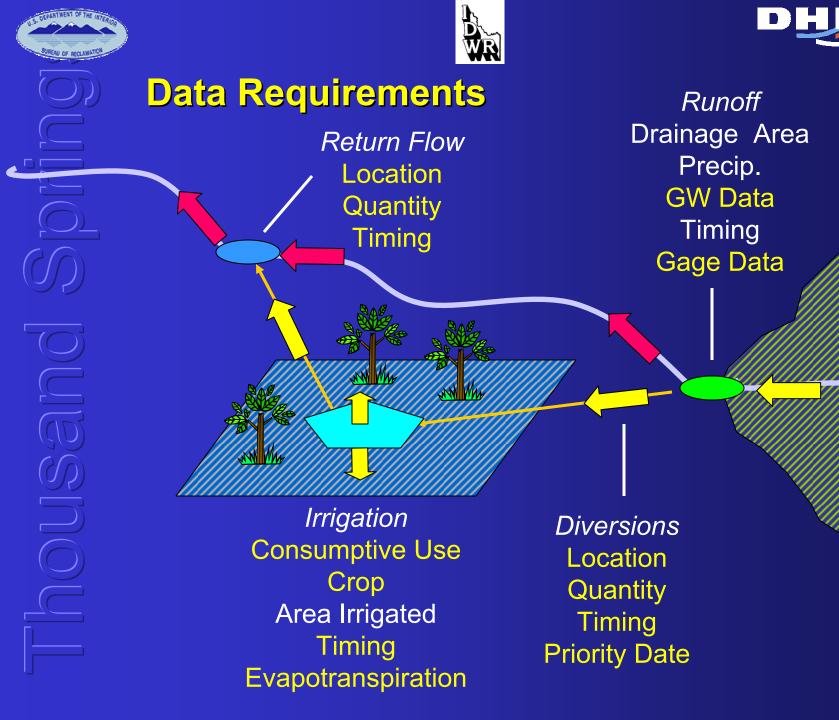
Model Set Up: Describe the plumbing

Accumulation of Data:

Format/Population of Data://li>

- Calibration:
- Verification
- Scenarios:











# Data Requests

- Immediate data needs:
  - Timing and quantity of flows for diversions
  - Stream flow measurements
  - Return flow locations and quantities
    - Crops grown
    - Irrigation type







# **Schedule**









# Conclusion

- An integrated depiction of water availability, movement, and use that can be viewed directly on GIS maps
  - A surface water model to examine "what-if" scenarios
  - Compilation of hydrologic data from numerous sources in one convenient place
- Identification of data deficiencies to more efficiently guide expenditures for future data collection efforts Contact;
- Need your input

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